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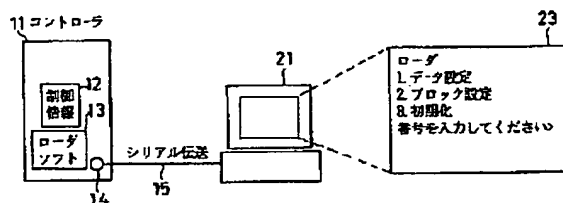
APPLICATION DATE : 10-09-97
APPLICATION NUMBER : 09245705

APPLICANT : TOSHIBA CORP;

INVENTOR : IKEGAMI MANABU;

INT.CL. : G05B 19/05

TITLE : PROGRAM LOADING DEVICE



ABSTRACT : PROBLEM TO BE SOLVED: To make it possible to perform a function construction and edition of a control program by a personal computer PC regardless of a version of the control program or a loader software or a kind of the PC.

SOLUTION: In this program loading device, by connecting a programmable controller 11 and a PC 21 with a cable 15 and starting up a PC side as a communication terminal, a loader software 13 in a controller responds, and by transmitting menu information 23 to the PC side, making the PC side display and operating on the PC side in accordance with this menu, function construction, change or the like of a process control program 12 is performed. Thus, only by connecting the PC 21 to the programmable controller 11 with a cable, the function construction, change or the like of those control programs can be performed without paying attention to a version of the control program and a loader software.

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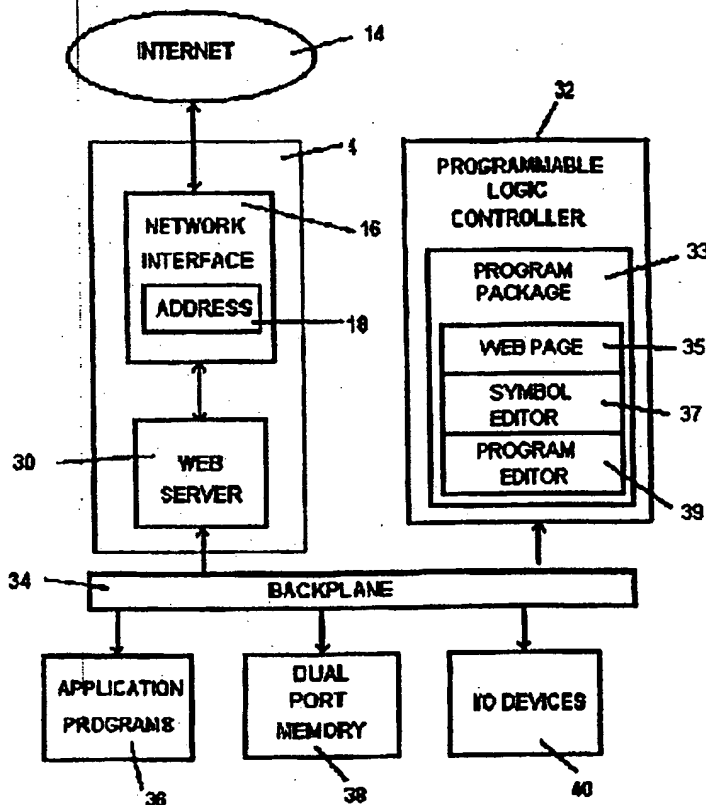
(71) Applicant: SCHNEIDER AUTOMATION INC.
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(88) Date of publication of the international search report:
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Newbury, MA 01985 (US).

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: A WEB BROWSER



(57) Abstract: A control system includes an Internet web interface to a network of at least one programmable logic control system running an application program for controlling output devices in response to status of input devices. The Web interface runs Web pages from an Ethernet board coupled directly to the PLC back plane and includes an HTTP protocol interpreter, a PLC back plane drive, a TCP/IP stack, and an Ethernet board kernel. The web interface provides access to the PLC back plane by a user at a remote location through the Internet. The interface translates the industry standard Ethernet, TCP/IP and HTTP protocols used on the Internet into data recognizable to the PLC. Residing in the PLC is a programming package accessible to a user through this interface which will allow the user to edit programs, controlling the operation of the programmable logic controller system.

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INTERNATIONAL SEARCH REPORT

National Application No.

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A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G05B19/05 G05B19/418 G06F9/44		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 G05B G06F		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, PAJ		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 08, 30 June 1999 (1999-06-30) & JP 11 085224 A (TOSHIBA CORP), 30 March 1999 (1999-03-30) abstract	1-20
Y	EP 0 917 034 A (ENGEL GMBH MASCHBAU) 19 May 1999 (1999-05-19) the whole document <div style="text-align: center; margin-top: 10px;">-/--</div>	1-4, 11-14
<div style="display: flex; justify-content: space-between;"> <input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex. </div>		
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Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer <div style="text-align: center; margin-top: 10px;">Hauser, L</div>

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International Application No
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C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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Information on patent family members

International Application No

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